

# UNIVERSAL TWIN LNB

## 2 Fully Switched Output Universal LNB



### TWH-031

<b>1</b>	<b>Input Frequency</b> Low Band High Band	10.7 - 11.7 GHz 11.7 - 12.75 GHz
<b>2</b>	<b>Output Frequency</b> Low Band High Band	950 - 2150 MHz 950 - 2150 MHz
<b>3</b>	<b>Noise Figure</b> TWF-031, TWH-031	0.3 dB typ
<b>4</b>	<b>Gain</b>	50 - 60 dB
<b>5</b>	<b>Gain Ripple</b> 26 MHz bandwidth Low Band High Band	<+/-0.5 dB <5 dB typ <5 dB typ
<b>6</b>	<b>Local Oscillator Frequency</b> Low High	9.75 GHz 10.6 GHz
<b>7</b>	<b>Local Oscillator Phase Noise (typ)</b> 1kHz 10kHz 100kHz	-65 dBc/Hz -95 dBc/Hz -110 dBc/Hz
<b>8</b>	<b>Local Oscillator stability</b> (including Setting, aging and temperature drift)	+/-1 MHz typ +/-3 MHz max
<b>9</b>	<b>Current Consumption</b>	port 1 only 170mA typ both ports 200mA typ
<b>10</b>	<b>Image Rejection</b>	>40 dB
<b>11</b>	<b>Isolation</b> Cross Polar Isolation High to Low Band Isolation	>30 dB >30 dB